Contents of Volume 24

Ali, J. S., Olszyk, V. B., Dunn, D. D., Lee, K.-L. A., Kendall, S. M., Rhoderick, R. R., & Bushnell, P. J. **A LOTUS 1-2-3-based system for recording and maintaining body weight of laboratory animals** 82

Allan, R. W. **Technologies to reliably transduce the topographical details of pigeons' pecks** 150

Allison, D. B. See Franklin, R. D.

Anderson, D. E., Crowell, M. D., & French, A. W. **A tether system for cardiovascular studies with the behaving micropig** 44

Applegate, B. See Williams, R. H.

Arnaud, B. See Fagot, J.

Bacher, J. D. See Glowa, J. R.

Bakeman, R., & Quera, V. **SDIS: A sequential data interchange standard** 554

Barron, C. **Tachistoscopic software for the Macintosh** 431

Bell, R. M. See Hays, R. D.

Berger, L. H. See Petree, A. D.

Beringer, J. **Notes on Graves and Bradley's timer algorithm** 453

Beringer, J. **Timing accuracy of mouse response registration on the IBM microcomputer family** 486

Bilotta, J., & Powers, M. K. **Weak stimulus generalization using sinusoidal gratings: A cautionary note in animal psychophysics** 507

Borenstein, M., Cohen, J., Rothstein, H. R., Pollack, S., & Kane, J. M. **A visual approach to statistical power analysis on the microcomputer** 565

Bowers, C., Salas, E., Prince, C., & Brannick, M. **Games teams play: A method for investigating team coordination and performance** 503

Bradley, D. R., Hemstreet, R. L., & Ziegenhagen, S. T. **A simulation laboratory for statistics** 190

Bradley, D. R. See Lehman, R. S.

Brand, N., & Houx, P. J. **MINDS: Toward a computerized test battery for use in health psychological and neuropsychological assessment** 385

Brannick, M. See Bowers, C.

Bremner, F. J., & Yost, M. **Assessing the simulation of chaotic systems** 336

Bremner, F. J. See Gindler, L. H.

Broadbent, H. A., & Maksik, Y. A. **Analysis of periodic data using Walsh functions** 238

Brown, G. D. A. See Cox, R.

Busey, T. A. **Tachistoscopic software for Macintosh computers** 426

Bushnell, P. J. See Ali, J. S.

Butler, D. L. **Frog skin, time series, and other kinds of data: Nonisomorphic representation and analysis** 265

Butler, D. L. See Cardillo, M.

Capel, M. J. See Scherer, E.

Cardillo, M., & Butler, D. L. **Subject-pool record keeping: A database application** 352

Carpenter, C. L. See Jarvik, M. E.

Carter, S. R., & Walsh, D. A. **A HyperCard-based tool for studying cognitive processes in complex problem solving** 286

Carterette, E. C. See Kendall, R. A.

Caskey, N. H. See Jarvik, M. E.

Castellan, Jr., N. J. **Editorial** 107

Castellan, Jr., N. J. **Shuffling arrays: Appearances may be deceiving** 72

Cherney, L. R. See Merbitz, C. T.

Chiambretto, M. See Fagot, J.

Church, R. M. See Maksik, Y.

Clarke, K. A. **A technique for the study of spatiotemporal aspects of paw contact patterns, applied to rats treated with a TRH analogue** 407

Clarke, R. L., Smith, R. F., & Justesen, D. R. **A programmable proximity-contact sensor to detect location or locomotion of animals** 515

Cohen, J. See Borenstein, M.

Cole, G. R., & Hine, T. **Computation of cone contrasts for color vision research** 22

Collyer, C. E. **Spreadsheet modeling for research and teaching: Programming without programming** ... 467

Constable, S. H. See Sherry, C. J.

Cook, J. A. See Wilson, W. J.

Costenbader, V. See Isaacs, M.

Cox, R., Hulme, C., & Brown, G. D. A. **STM Experimenter: Using HyperCard and MacRecorder in short-term memory experiments** 575

Craig, J. C., & Rhodes, R. P. **Measuring the error of localization** 511

Crowell, M. D. See Anderson, D. E.

Cushman, W. B. **A low-cost spatial contrast sensitivity display driver** 461

Dalrymple-Alford, E. C. **Response-key input via the IBM PC/XT/AT's parallel printer port** 78

Dawson, M. R. W. See Wright, R. D.

Day, R. B. See Link, S. W.

Doenias, J. M., Langland, S. E., & Reisberg, D. **A versatile, user-friendly tachistoscope for the Macintosh** 434

Dunker, J. See Köhler, T.

Dunn, D. D. See Ali, J. S.

Eamon, D. B. **Data generation and analysis using spreadsheets** 174

Elash, C. See Perkins, K. A.

Emerson, P. L. **Book review of DOS 5: A developer's guide** 497

Epstein, L. H. See Perkins, K. A.

Evens, M. See Li, J.

Fagot, J., Arnaud, B., Chiambretto, M., & Fayolle, R. **Lateralization in haptic processing: An apparatus to analyze manual strategies** 54

Fayolle, R. See Fagot, J.

Fernandez, E., Semple, C., Narasimhan, V. L., & McDowell, J. J. **A "C" program to fit Herrnstein's hyperbola using Wilkinson's method** 581

Flowers, J. H., & Hauer, T. A. **The ear's versus the eye's potential to assess characteristics of numeric data: Are we too visuocentric?** 258
Folkard, S. See Totterdell, P.
Fouladi, R. T. See Steiger, J. H.
Franklin, R. D., & Allison, D. B. **The Rev.: An IBM BASIC program for "Bayesian" test interpretation** 491
Freedman, N. L. **A sliding gas-delivery system and ventilating chamber for small animals fixed in standard stereotaxic instruments** 423
French, A. W. See Anderson, D. E.
Gallistel, C. R. **Classical conditioning as a nonstationary, multivariate time series analysis: A spreadsheet model** 340
Gegenfurtner, K. R. **PRAXIS: Brent's algorithm for function minimization** 560
Gervasio, A. H., Taylor, J., & Hirshfield, S. **Computer-assisted language analysis with the Macintosh** ... 298
Geuze, R. H. See van der Vlugt, M. J.
Gillogly, J. J. See Hays, R. D.
Gindler, L. H., & Bremner, F. J. **Definitions and descriptions of networking tools** 132
Glowa, J. R., Sullivan, J. V., & Bacher, J. D. **A subcutaneous intracerebral drug delivery device for use in rhesus monkeys** 402
Goodman, G. See Isaacs, M.
Gorman, B. S., & Primavera, L. H. **CORV: A microcomputer program for five models of correspondence analysis of contingency tables** 580
Grip, J. C. See Merbitz, C. T.
Grobe, J. E. See Perkins, K. A.
Gross, T. M. See Jarvik, M. E.
Growney, W. J. See Martin, T. A.
Haddad, N. F. See Petree, A. D.
Hauer, T. A. See Flowers, J. H.
Haussmann, R. E. **Tachistoscopic presentation and millisecond timing on the IBM PC/XT/AT and PS/2: A Turbo Pascal unit to provide general-purpose routines for CGA, Hercules, EGA, and VGA monitors** 303
Hawley, K. J., & Izatt, E. J. **An inexpensive sound-activated switch for experiments measuring vocal-response times** 523
Hays, R. D., Gillogly, J. J., Hill, L., Lewis, M. W., Bell, R. M., & Nicholas, R. **A Microcomputer Assessment System (MAS) for administering computer-based surveys: Preliminary results from administration to clients at an impaired-driver treatment program** . 358
Hemstreet, R. L. See Bradley, D. R.
Hill, L. See Hays, R. D.
Hine, T. See Cole, G. R.
Hirshfield, S. See Gervasio, A. H.
Holden, R. R. See Longman, R. S.
Houx, P. J. See Brand, N.
Hulme, C. See Cox, R.
Irtel, H. **Color-vision demonstrations on an IBM PC/AT with VGA** 88
Irtel, H. **Computing data for color-vision modeling** 397
Isaacs, M., Costenbader, V., Reading-Brown, M., & Goodman, G. **Using a computer simulation in the research, training, and evaluation of school psychologists** 165
Izatt, E. J. See Hawley, K. J.
Jarvik, M. E., Rosenblatt, M. R., Carpenter, C. L., Caskey, N. H., Gross, T. M., & McCarthy, W. J. **Measuring the stop point of rapid smoking** 420
Jennings, J. R. See Perkins, K. A.
Justesen, D. R. See Clarke, R. L.
Kane, J. M. See Borenstein, M.
Kaplan, H. L. **Representation of on-line questionnaires in an editable, auditable database** 373
Kendall, R. A., & Carterette, E. C. **Convergent methods in psychomusical research based on integrated, interactive computer control** 116
Kendall, S. M. See Ali, J. S.
Kessel, R. See Pevey, M. E.
King, R. B. See Merbitz, C. T.
Klein, S. A. **An Excel macro for transformed and weighted averaging** 90
Köhler, T., Dunker, J., & Zander, O. **The number of active palmar sweat glands (palmar sweat index, PSI) as an activation measure in field studies** 519
Kohlmeyer, S. W. **Picture Perception Lab: A program for picture perception experiments on the Macintosh II** 67
Kruk, M. R. See van der Vlugt, M. J.
Krupinski, E. A. See Nodine, C. F.
Kundel, H. L. See Nodine, C. F.
Langland, S. E. See Doenias, J. M.
Lee, A. Y. **Using tutoring systems to study learning: An application of HyperCard** 205
Lee, K.-L. A. See Ali, J. S.
Lehman, R. S., & Bradley, D. R. **Report from the user group meeting** (Combined PC/Macintosh users' groups) 390
Lewis, M. W. See Hays, R. D.
Li, J., Seu, J., Evens, M., Michael, J. A., & Rovick, A. A. **Computer dialogue system (CDS): A system for capturing computer-mediated dialogue** .. 535
Link, S. W., & Day, R. B. **A theory of cheating** ... 311
Longman, R. S., & Holden, R. R. **PERM: A double-precision FORTRAN routine for obtaining parallel analysis eigenvalues from permuted data** 493
Lopez, E. O., & Theios, J. **A semantic analyzer of schemata organization (SASO)** 277
Maksik, Y., & Church, R. M. **A system for automatically analyzing and correcting real-time experiment control programs** 140
Maksik, Y. A. See Broadbent, H. A.
Marchak, F. M., & Zulager, D. D. **The effectiveness of dynamic graphics in revealing structure in multivariate data** 253
Marchak, F. M., & Zulager, D. D. **A review of scientific visualization software for the Macintosh computer** 328
Markowitz, T. J. See Merbitz, C. T.
Marqui, H. See Merbitz, C. T.
Martin, T. A., & Growney, W. J. **A HyperCard stack for the creation of graphically organized glossaries** 317
Martonyi, B. J. See McFarlane, D. K.
McCarthy, W. J. See Jarvik, M. E.
McDade, C. E. **Computer-Based Precision Learning: A Course Builder application** 269
McDowell, J. J. See
Fernandez, E.
Pevey, M. E.
McFarlane, D. K., Martonyi, B. J., & Robinson, T. E.

An inexpensive automated system for the measurement of rotational behavior in small animals 414
McHale, M. A. See Wolach, A. H.
McNicol, R. E. See Scherer, E.
Merbitz, C. T., King, R. B., Cherney, L. R., Marqui, H., Grip, J. C., & Markowitz, T. J. **Computerized behavioral-data collection and analysis for improved clinical outcomes in rehabilitation** 366
Michael, J. A. See Li, J.
Mills, M. E. **GRADER: A computer program that recommends student letter grades** 321
Mitchell, N. See Ray, R. D.
Morris, C. C. **Using the IBM-compatible microcomputer's serial port as an input–output interface** 456
Narasimhan, V. L. See Fernandez, E.
Narayanan, A. **Estimating sample properties of principal components using SAS** 97
Nawrot, M. See Steinman, S. B. (2)
Nicholas, R. See Hays, R. D.
Nodine, C. F., Kundel, H. L., Toto, L. C., & Krupinski, E. A. **Recording and analyzing eye-position data using a microcomputer workstation** 475
Olszyk, V. B. See Ali, J. S.
Perkins, K. A., Grobe, J. E., Jennings, J. R., Epstein, L. H., & Elash, C. **A technique for rapid, reliable assessment of thermal-pain threshold in humans** . 60
Petree, A. D., Haddad, N. F., & Berger, L. H. **A simple and sensitive method for monitoring running-wheel movement** 412
Petty, L. C. See Rosen, E. F.
Pevey, M. E., McDowell, J. J., & Kessel, R. **Shaw's stored information as a quantitative measure of sequential structure** 228
Pollack, S. See Borenstein, M.
Poster, M. See Snodgrass, J. G.
Powers, M. K. See Bilotta, J.
Primavera, L. H. See Gorman, B. S.
Prince, C. See Bowers, C.
Quera, V. See Bakeman, R.
Ransdell, S. **Incorporating educational software into large introductory psychology lectures and labs** .. 172
Ray, R. D., & Mitchell, N. **BehSys Anal: An artificially intelligent hypermedia resource library for descriptive behavioral research** 180
Reading-Brown, M. See Isaacs, M.
Redington, D. J. See Reidbord, S. P.
Refinetti, R. **Analysis of the circadian rhythm of body temperature** 28
Reidbord, S. P., & Redington, D. J. **Analysis and visualization of complex psychophysiological data: Coordinated use of multiple applications on a microcomputer** 213
Reisberg, D. See Doenias, J. M.
Reyes del Paso, G. A. **An on-line program to calculate respiratory sinus arrhythmia amplitude** 464
Rhoderick, R. R. See Ali, J. S.
Rhodes, R. P. See Craig, J. C.
Robinson, T. E. See McFarlane, D. K.
Rosen, E. F., & Petty, L. C. **Computer-aided instruction in a physiological psychology course** 169
Rosenblatt, M. R. See Jarvik, M. E.
Rothstein, H. R. See Borenstein, M.
Rovick, A. A. See Li, J.
Rumbaugh, D. M. See Washburn, D. A.
Salas, E. See Bowers, C.
Scherer, E., McNicol, R. E., & Capel, M. J. **A computerized system for analyzing linear locomotion** 37
Semple, C. See Fernandez, E.
Seu, J. See Li, J. H.
Sherry, C. J., & Constable, S. H. **An automated exercise wheel for primates** 49
Smith, R. F. See Clarke, R. L.
Snodgrass, J. G., & Poster, M. **Visual word-recognition thresholds for screen-fragmented names of the Snodgrass and Vanderwart pictures** 1
Steiger, J. H., & Fouladi, R. T. **R2: A computer program for interval estimation, power calculations, sample size estimation, and hypothesis testing in multiple regression** 581
Steinman, S. B., & Nawrot, M. **Real-time color-frame animation for visual psychophysics on the Macintosh computer** 439
Steinman, S. B., & Nawrot, M. **Software for the generation and display of random-dot cinematograms on the Macintosh computer** 573
Stout, C. E. **An automated method of psychiatric treatment planning** 326
Sullivan, J. V. See Glowa, J. R.
Taylor, J. See Gervasio, A. H.
Theios, J. See Lopez, E. O.
Thompson, A. K. See Wayland, S. C.
Tiplady, B. **Continuous attention: Rationale and discriminant validation of a test designed for use in psychopharmacology** 16
Toto, L. C. See Nodine, C. F.
Totterdell, P., & Folkard, S. **In situ repeated measures of affect and cognitive performance facilitated by use of a hand-held computer** 545
Townsend, J. T. **Don't be fazed by PHASER: Beginning exploration of a cyclical motivational system** 219
Van der Vlugt, M. J., Kruk, M. R., Van Erp, A. M. M., & Geuze, R. H. **CAMERA: A system for fast and reliable acquisition of multiple ethological records** 147
Van Erp, A. M. M. See van der Vlugt, M. J.
Vaughan, J. **The dimensions of computing** 109
Walsh, D. A. See Carter, S. R.
Washburn, D. A. **Analyzing the path of responding in maze-solving and other tasks** 248
Washburn, D. A. **External audio for IBM-compatible computers** 80
Washburn, D. A., & Rumbaugh, D. M. **Testing primates with joystick-based automated apparatus: Lessons from the Language Research Center's Computerized Test System** 157
Wayland, S. C., & Thompson, A. K. **An external millisecond timer for the Apple Macintosh with applications to cross-modal lexical priming** 528
Williams, R. H. **Dunnett-like multiple comparisons among product-moment correlations** 493
Williams, R. H., & Applegate, B. **Tukey-like pairwise comparisons among variances** 494
Wilson, W. J., & Cook, J. A. **CATECHOLLISION: A game to teach catecholamine synthesis for IBM PCs and compatibles** 101
Wolach, A. H. **Journal reference assistance** 495
Wolach, A. H. & McHale, M. A. **Computerized analysis of variance tutorial** 495
Wolfe, C. R. **Using Authorware Professional for developing courseware** 273
Wright, R. D., & Dawson, M. R. W. **Measurement of**

directional lever response reaction time with the Commodore 64 541
Yost, M. See Bremner, F. J.
Zander, O. See Köhler, T.
Ziegenhagen, S. T. See Bradley, D. R.
Zulager, D. D. See Marchak, F. M. (2)

ARTICLES IN PRESS

Forthcoming *Behavior Research Methods, Instruments, & Computers* articles 71
392
501
583

NOTICES AND ANNOUNCEMENTS

Nominations for the editorship of *Perception & Psychophysics* 103
Nominations for the editorship of *Memory & Cognition* . 103
APA applies for travel grant for Brussels congress 104
Call for assistance in the compilation of a history of the Psychonomic Society 104
Jean S. Morgan, 1922-1992 393
22nd Annual Meeting of the Society for Computers in Psychology 394
International Congress of Psychology 395
Memory strategies: Theory and application workshop ... 395
5th European Conference for Research on Learning and Instruction 553
Fifth Annual International Conference of the Society for the Advancement of Socio-Economics (SASE) 559
Change in editorship: *Memory & Cognition* 584
Change in editorship: *Perception & Psychophysics* 584
Support for cognitive science research: NIMH 585
News and Notes from NSF 585